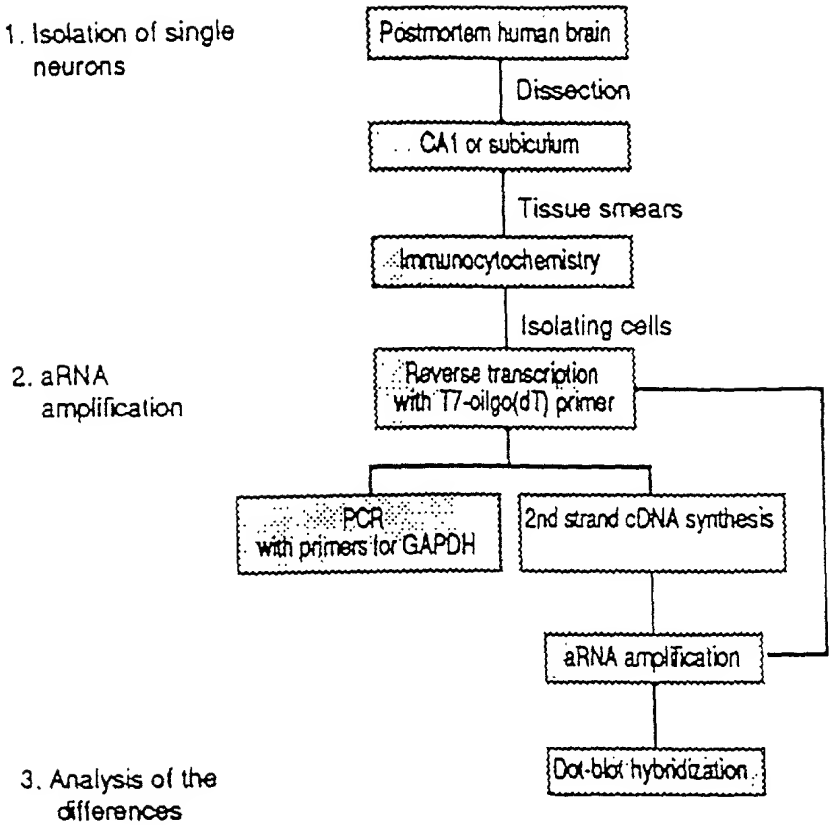

1. Isolation of single neurons
Postmortem human brain
Dissection
CA1 or subiculum
Tissue smears
Immunocytochemistry
Isolating cells
2. aRNA amplification
Reverse transcription with T7-oilgo(dT) primer
PCR with primers for GAPDH
2nd strand cDNA synthesis
aRNA amplification
3. Analysis of the differences
Dot-blot hybridization

FIGURE 1

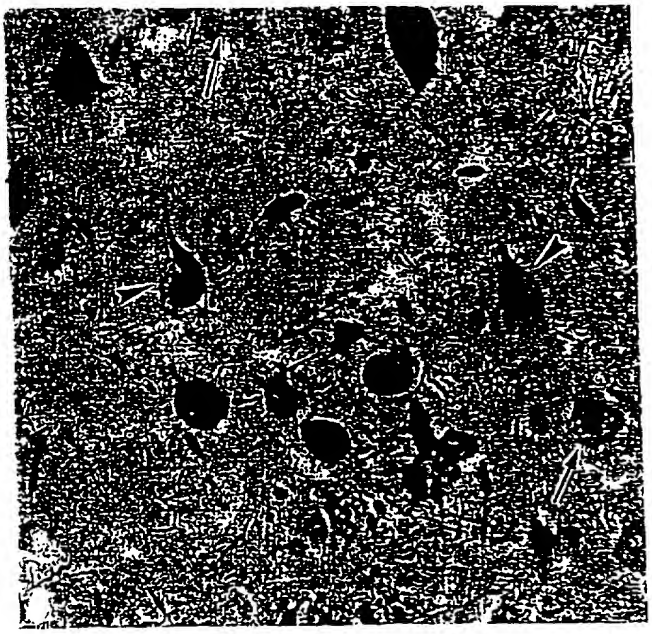


FIGURE 2

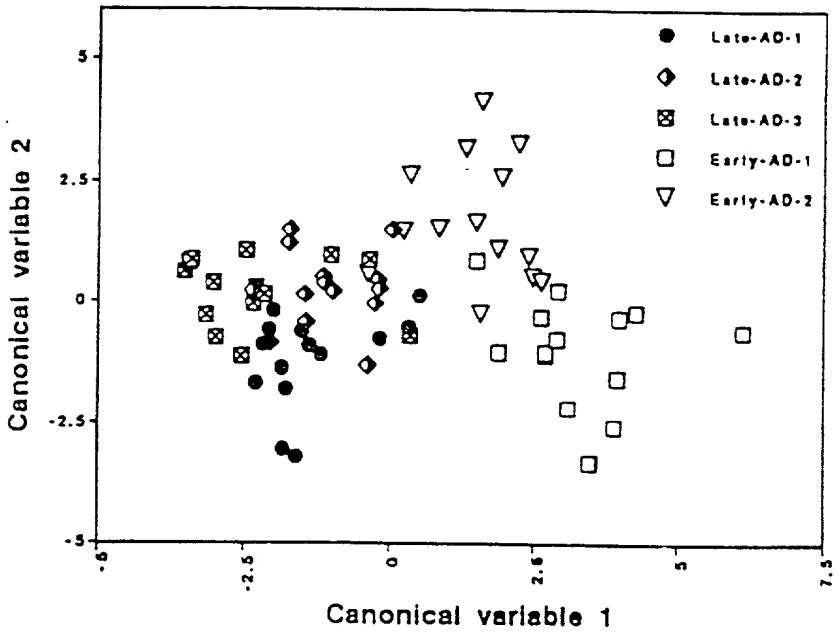
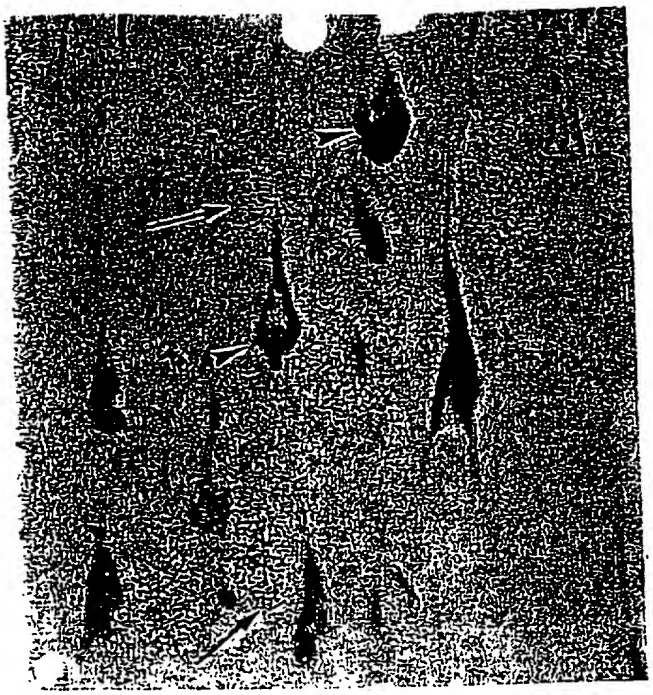
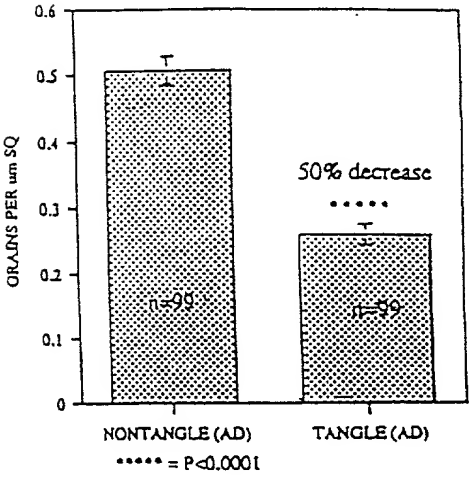

Late-AD-1
Late-AD-2
Late-AD-3
Early-AD-1
Early-AD-2
Canonical variable 2
Canonical variable 1
5
2.5
0
-2.5
-5
-5
-2.5
0
2.5
5
7.5

FIGURE 3

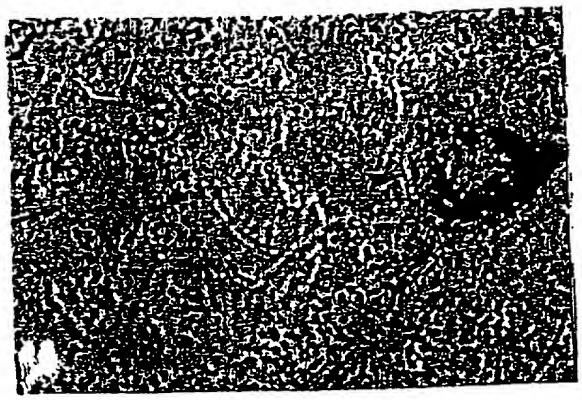


A

GRAIN DENSITY FORSYNAPTOPHYSIN MESSAGE IN TANGLE AND NEIGHBORING NONTANGLE NEURONS IN CA1 OF AD HIPPOCAMPUS

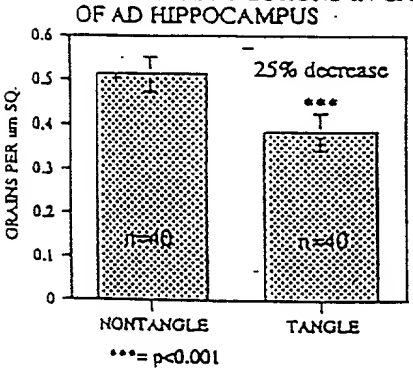


D

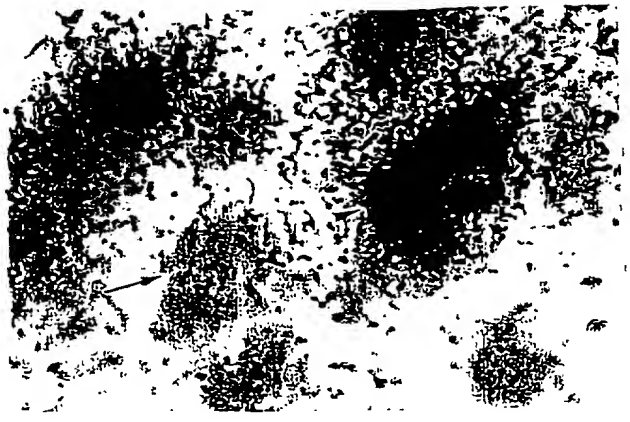


B

GRAIN DENSITY FORPOLY A+ MESSAGE IN TANGLE AND NONTANGLE NEURONS IN CA1 OF AD HIPPOCAMPUS

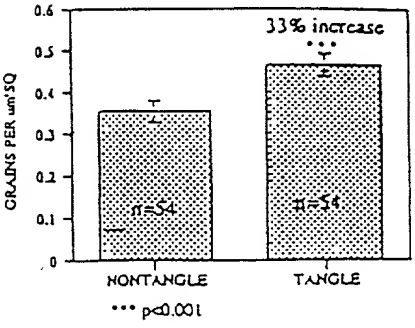


E



C

GRAIN DENSITY FORCATHEPSIN D MESSAGE IN TANGLE AND NONTANGLE NEURONS IN CA1 OF AD HIPPOCAMPUS



F

FIGURE 4

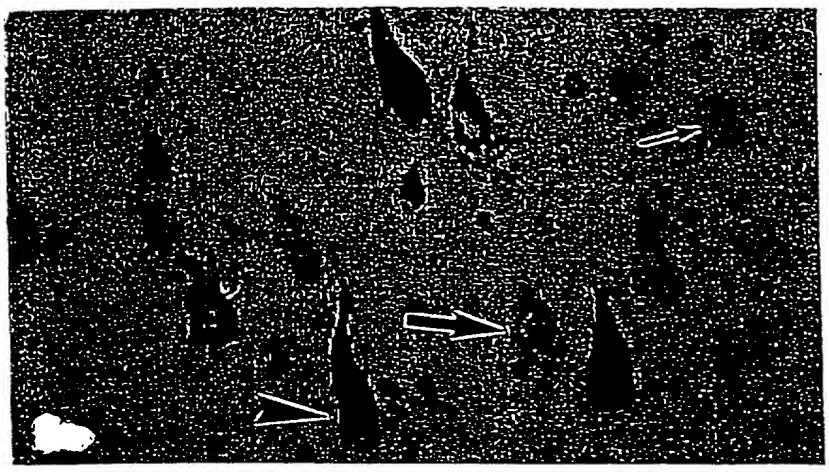


FIGURE 5

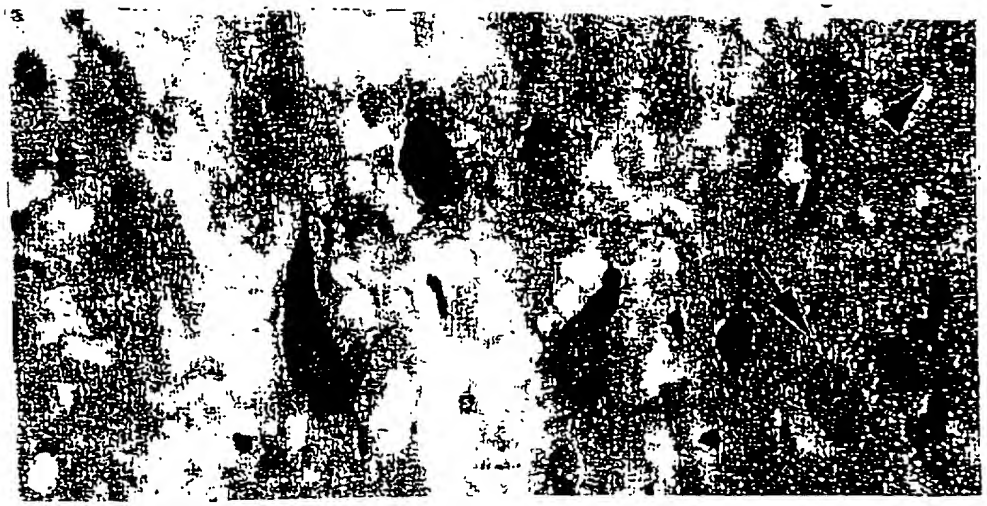


FIGURE 6

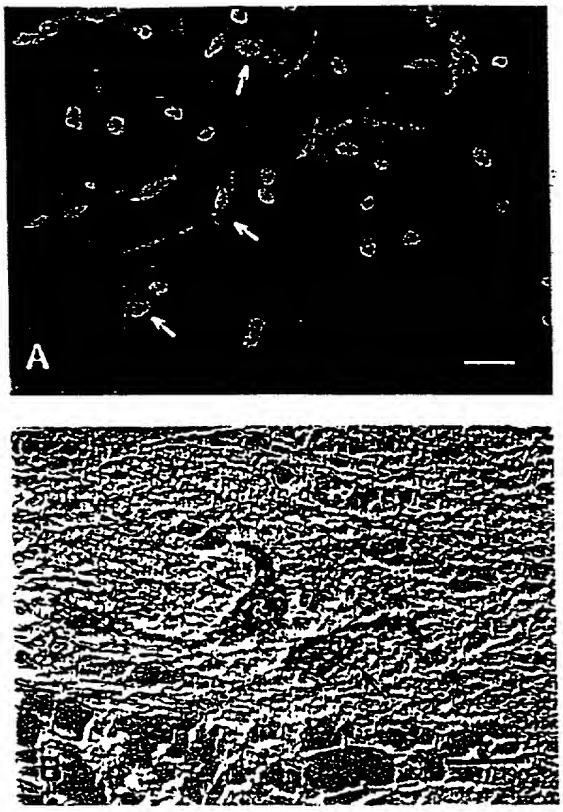


FIGURE 7

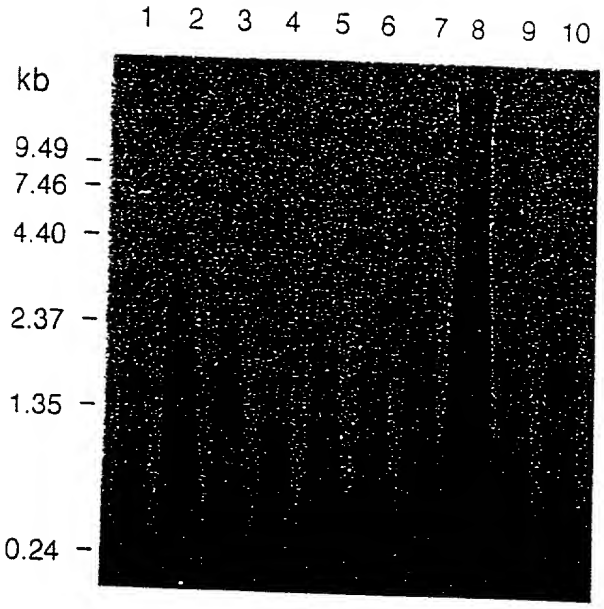


FIGURE 8

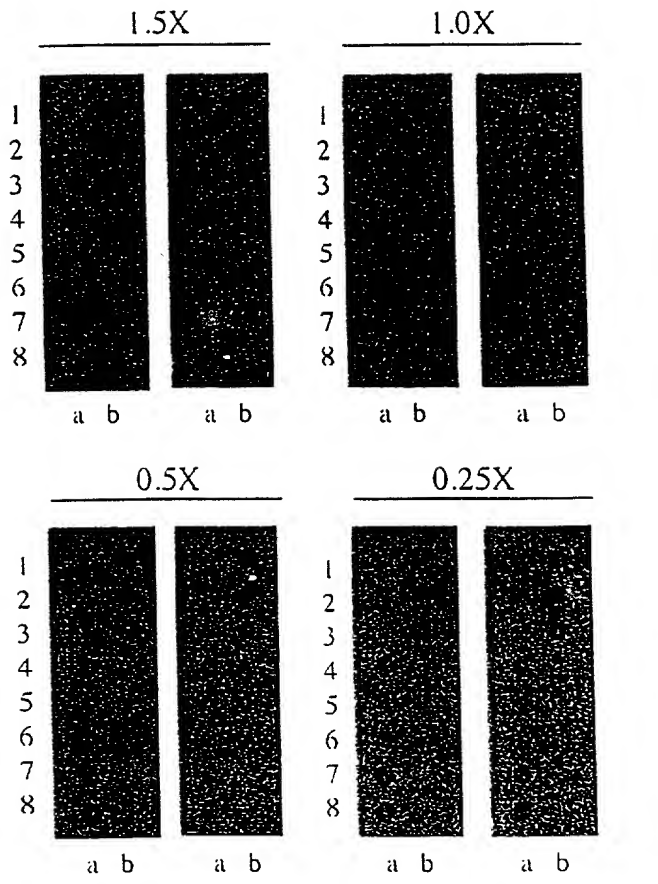


Fig. 4 Dot blot hybridization of aRNA from one cell with selected cDNAs. The aRNA was used at four concentrations, 1.5 ×, 1.0 ×, 0.5 × and 0.25 ×. For each concentration, hybridization was done in duplicate. On each blot: column a, from rows 1–8, the cDNAs are HSP70, p53, HH, nestin, actin, STM2, cyclin D1 and CamK II, column b, rows 1–5 S182, α1-ACT, GAPDH, GFAP and pBS.

FIGURE 9